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EXAMINER

ABDULSELAM, ABBAS I

| ART UNIT | PAPER NUMBER |
|----------|--------------|
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2674

DATE MAILED: 08/21/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/473,598

Applicant(s)

RAYMOND C. EDMONDS

Examiner

Abbas I Abdulsalam

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 May 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3,5,8-13,15-22,24,26 and 27 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3,5,8-13,15-22,24,26 and 27 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claims 1-3, 5, 8-13, 15-22, 24 and 26-27 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 1-3, 5, 8-13, 15-22, 24 and 26-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Salesky et al. (USPN 6343311) in view of Ohshima (USPN 5977945).

Regarding claims 1 and 22, Salesky teaches a conferencing system (10) including presenter client computer (12) and three attendee clients (18) that are connected through a conference server (14) and data network (16). See col. 6, lines 66-67, col. 7, lines 1-10 & Fig. 1. Salesky teaches a graphic drawing commands updating a specific region of the image, and discloses a comparison whose result ignores unchanged portions of the captured image and transmits only changed ones. See col. 12, lines 1-16, 34-44 & Fig. 4A. For example, if a block "B6" is the block being sent, block "B6" of the current copy of the captured image 69(a) is compared with block "B6" of the most recently stored reference copy 69(b) of the capture mage. If the result shows B6 has changed, it will be transmitted. If not, it will not be transmitted. See col. 12, lines 34-49, Fig. 4A, and Fig. 4B. Furthermore, Salesky discloses that a block is sent to

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the stored image allowing the stored image to be updated at the same time the changes are sent to the server. See col. 12, lines 63-67 & Fig. 4D. However, Salesky does not disclose updating the first video memory with the first portion and updating the second video memory with the second portion. Ohshima on the other hand teaches a partial rewritten library (32) functioning in response to the partially rewritten line determination means (16). See col. 3, lines 26-31.

Therefore, it would have been obvious to one having skill in the art at the time the invention was made to modify Salesky's client-server system (Fig. 1) to adapt Ohshima's partially written line determination means (10). One would have been motivated in view of the suggestion in Ohshima that the partially written line determination means equivalently provides the desired updating of the first and second video memories. The use of partially written line determination means helps function client-server system as taught by Ohshima.

In regard to claim 22, In addition to what has been described above, Salesky discloses three conferee clients (17a, 17b, 17c) each using different protocol in their respective network connections. See Fig. 11 and col. 30, lines 3-14.

Regarding claim 2, Ohshima discloses X client (30) with respect to X server (31) to determine the line to which partial writing should be applied and transfers such information to the remote firmware (35). See Fig. 3, lines 22-28.

Regarding claims 3 and 5, Salesky teaches flow control between presenter client (12) and server (14) and between server (14) and attendee client (18) determining how often the attendee client receives information updating the image. See col. 8, lines 3-10. It would have been obvious the presenter client can decide the transmission to take place at any interval including irregular interval.

Regarding claim 8, Ohshima teaches a display apparatus with partially rewritten line determination means including the use of Sbus (26) for connection purpose. See Fig. 2.

Regarding claim 9, Salesky teaches a network (16), which can be any computer data communication links. See col. 9, lines 1-5.

Regarding claim 10, Salesky teaches that the presenter client sends out a stream or streams, which can vary in format. See col. 14, lines 45-46.

Regarding claim 11, Salesky teaches that the presenter client can dynamically change the format in which it provides the data. See col. 19, lines 15-27. It would have been obvious that the presenter client can do a uniform format.

Regarding claims 12 and 24, Salesky teaches the presenter client software along with attendee client software in connection with the server relaying the information to all the attendee client computers and transforming the data as required. It would have been obvious that the presenter client software identifies the attendees including their addresses. See col. 7, lines 21-33.

Regarding claim 13, Salesky discloses the presenter client that identifies where the block is in the capture rectangle with block-location ID stamp, and identifies the time with a time-stamp. Salesky also teaches synchronization in the system through conference server (14), which issues time synchronization signals. See col. 7, lines 57-65.

Regarding claim 15, Salesky teaches CSS 40(a) providing an included "gateway" layer 40(b) for each connection protocol other than the system protocol and this layer translates the client's non-system protocol to the system protocol. See col. 30, lines 3-14.

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Regarding claims 18-19, Ohshima teaches the use of a display controller (36) and a graphic controller (27) with executable software (44). See col. 3, lines 62-67 and col. 4, lines 1-6.

Regarding claims 16-17, Salesky teaches the use of time stamps, and discloses synchronizer (130), which uses arbitration technique to maintain consistency between client time stamps and server receipt time stamps. See col. 20, lines 32-37.

Regarding claim 26, Salesky teaches the use of all types of data streams as well as the use of non-visual transmissions such as audio within the network. See col. 3, lines 42-51.

Regarding claim 27, Salesky teaches the use of coder-decoder (codec) facilitating for the compression and decompression of images. See col. 3, lines 24-30.

Conclusion

3. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

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4. Any inquiry concerning this communication or earlier communication from the examiner should be directed to **Abbas Abdulsalam** whose telephone number is **(703) 305-8591**. The examiner can normally be reached on Monday through Friday (9:00-5:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Richard Hjerpe**, can be reached at **(703) 305-4709**.

Any response to this action should be mailed to:

Commissioner of patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9314

Hand delivered responses should be brought to Crystal Park II, Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).


Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology center 2600 customer Service office whose telephone number is (703) 306-0377.

Abbas Abdulsalam

Examiner

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August 12, 2003


RICHARD HJERPE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600